CLAIMS

- nagnet is arranged between a moving element and a fixed element for holding said moving element, a magnetic fluid is disposed in a gap developed at some midpoint in a magnetic circuit in which the magnetic flux of said permanent magnet passes through said moving element, and a shearing force of said magnetic fluid produced by the magnetic flux of said permanent magnet is exerted on said moving element as a loading force.
- 2. A simplified loading device in which a permanent magnet is arranged between a rotating shaft and a fixed element for holding said rotating shaft, a magnetic fluid is disposed in a gap developed at some midpoint in a magnetic circuit in which the magnetic flux of said permanent magnet passes through said rotating shaft, and a shearing force of said magnetic fluid produced by the magnetic flux of said permanent magnet is exerted on said rotating shaft as a loading force.
- 3. The simplified loading device according to claim 2, wherein said magnetic fluid is disposed on the peripheral surface of said rotating shaft or the inside surface of said fixed element.
- 4. The simplified loading device according to any one of claims 1 to 3, wherein magnetic powder is dispersed in a

solution as said magnetic fluid, a drag against shearing due to a fixed chain is created under a condition in which a fixed magnetic force is exerted, and a fixed drag is created even after shearing has been performed.